



DEPOSIT: CU-4057

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Qishou XU et al

Serial No.: ~~10/522,240~~ 10,522,110

Group Art Unit:

Filed: 01/24/2005

Examiner:

For: RIBOFLAVIN DERIVATIVE AND ITS MANUFACTURE AND USES

Certification under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with The United States Postal Service with sufficient postage as first class mail in an envelope addressed to The Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on August 8, 2006.

Loren K. Thompson, Ph.D., Reg. No. 45,918

The Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (IDS) WITHIN
THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of the first Office Action on the merits, whichever event occurs last. 37 CFR 1.97(b).

No fee is believed to be required in view of the above. However, if this is not the case, the Commissioner is authorized to charge our Deposit Account No. 12-0400 for any required fees.

Date: August 8, 2006

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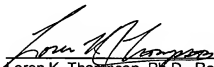
A translation of any foreign language reference, if any, is indicated in PTO-1449 form and being submitted herein if it is readily available. Otherwise it should be construed that such translation is not readily available.

The Statement is made on the basis of the information:

- ☐ supplied by the inventor(s);
- ☒ supplied by an individual associated with the filing and prosecution of this application (37 CFR 1.56(c));
- ☐ in the attorney's file; or
- ☐ cited in a corresponding foreign application.

Respectfully submitted,

Date: August 8, 2006


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Form PTO-1449 (Modified)

10522110



FORM PTO-1449	ATTY. DOCKET NO. CU-4057	SERIAL NO. 10522-240
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		
Applicant Qishou XU et al		
(37 CFR 1.88(b))	FILING DATE 01/24/2005	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	2 4 4 9 0 0 3	Apr.9, 1945	Moos et al			
	3 1 8 9 5 9 8	Jun.15,1965	Kunio Yagi et al			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANSLATION YES NO
	0 3 6 4 8 7 5	12.10.89	EPO			
	WO 2004	12.02.2004	PCT			
	2 2 8 3 9 1 3	24.05.1995	UK			
	1 1 4 0 9 9 2	1997-01-22	CHINA			
	1 1 0 4 0 7 5	1998-04-21	JAPAN			
	1 1 3 2 5 8 6	1989-05-25	JAPAN			
	43	0 2 5 5 0 6	1968-11-04	JAPAN		
	60	0 4 1 6 1 1	1985-03-05	JAPAN		
	48	0 1 5 9 0 0	1973-02-28	JAPAN		
	49	0 5 5 6 9 7	1974-05-30	JAPAN		
	47	0 4 5 3 6 0	1972-11-15	JAPAN		
	32	0 0 3 2 7 7	1957-06-01	JAPAN		

OTHER DOCUMENTS (Including Author, Title, Date, Place of publication)

		Kunio Y. "studies on fatty esters of flavins I. Chemical synthesis of fatty acid esters of riboflavin." THE JOURNAL OF VITAMINOLOGY 1961(7)276:280 summarized by CHEM ABSTRACTS 1963, 43-CARBOHYDRATES, columns 4634-4636.
		Mao Pu et al "synthesis of di-tri-,tetra-stearoyl riboflavines." HUAXUESHIJIE, 2000,(3),141-144.
		Wu Xuedong et al: "the activities of long-effect riboflavin in preventing mouth ulceration after chemical therapeutics for leukaemia for enfant." ZHONGGUO XIAOER XIEYE, 1997, 2(4):190.
		T. Yoshid, et al "The synthesis of 5'-haloriboflavine" in NIPPON KAGAKU ZASSHI, vol 83, 1962 pages 89-91
		J. Okuda et al. "Determination of carboxylesterase in rat tissues and blood using riboflavin-5'-monobutyrate" CHEMICAL & PHARMACEUTICAL BULLETIN (1980), 28(1), 181-8
		T. Tanaka et al "Riboflavine diesters. I. Preparation and enzymic hydrolysis of riboflavine diesters" BITAMIN (1968) 38(4) 229-34
		A.I. Stepanov et al, "Analog of riboflavine, lumiflavine, and alloxazine derivatives. I. Effects of analogs on the synthesis of riboflavine and growth of Bacillus subtilis" in GENETIKA (Moscow) (1975) 11(9) 116-24.
EXAMINER	DATE CONSIDERED	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

(Form PTO-1449)